

## Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

• Phone : +964 7810009138 • www.qualitycontrol-iraq.com • E-mail: op@qualitycontrol-iraq.com

Date of Issue: September 26, 2024

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REQUEST NUMBER : By Contract	<b>CUSTOMER DETAILS</b>
JOB NUMBER : QC/JN/24/00367	Name <b>Halliburton Worldwide IRAQ (TSS)</b>
CERTIFICATE NUMBER : <b>QC240926-05</b>	Address <b>Western Burjesia, Oil Street, District Zubair-South Iraq</b>

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Temperature Sensor**  
 Manufacturer : AKS Technonologies  
 Model : P10029-178  
 Serial Number : **1418128744**  
 Type : Digital  
 Range : 50 to 400 °F  
 Calibrated Range : 50 to 400 °F  
 Resolution : 0.01 °F  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : September 26, 2024  
**Calibration Due : 25 September 2025**  
 Last Calibration Date : October 7, 2023



**DEVIATION FROM STANDARD METHOD : None**

**REMARK (S) :**

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

### ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1012.0 ± 10 hPa

### CALIBRATION METHOD

The above equipment has been calibrated in accordance with Calibration Procedure QC/CP/R/08 Rev. 01

The above instrument has been calibrated in increasing and decreasing Temperature using a Digital Temperature Dry Block as the reference standard. having traceability to Internationally recognised standards.

### REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL #	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Metrology well	B85655	FLUKE / 9170	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Tolerance Limit
°F	°F	°F	± °F
50	50.22	-0.22	-0.1
100	100.48	-0.48	-0.1
200	201.05	-1.05	-0.3
300	301.56	-1.56	-0.4
400	401.78	-1.78	-0.4

Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.

- The results are as found (no adjustment done).  
 The results are post adjustment.

CALIBRATED BY  Hussein Alaa	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE Asjad Rafiq	CLIENT
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